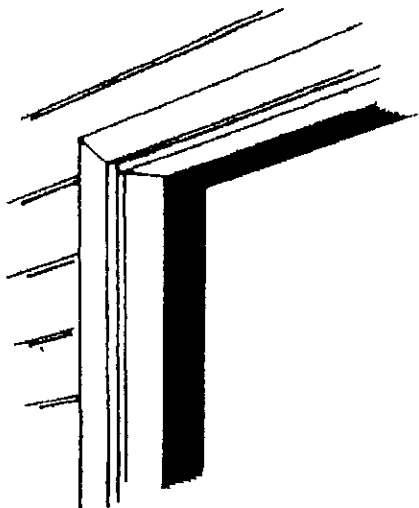
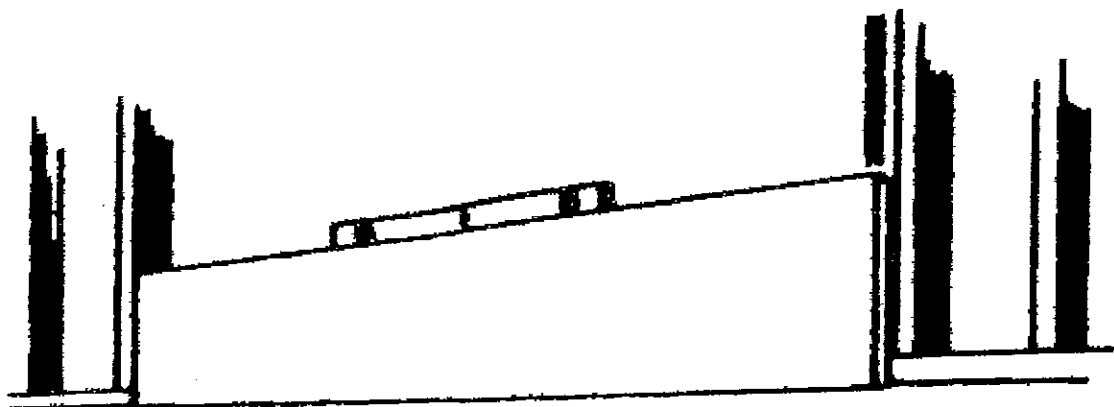


CAUTION-Please take the time to read these instructions completely before beginning installation. Many portions of these instructions are different than in non-windloaded doors, so care must be taken to assure that this door is properly installed and meets all of the requirements of the windload certification.

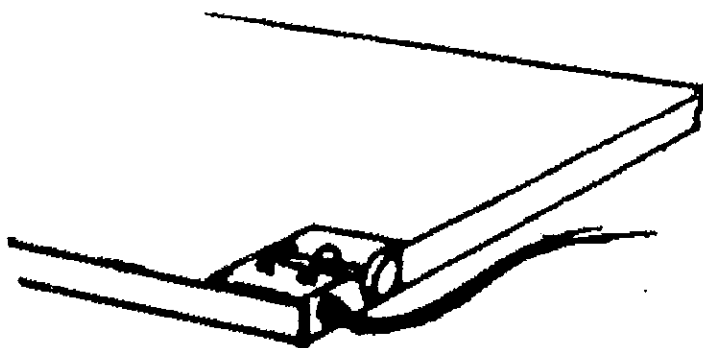


Step 1: Tack the stop molding temporarily in place, flat edge flush with the inside of the jamb and header.

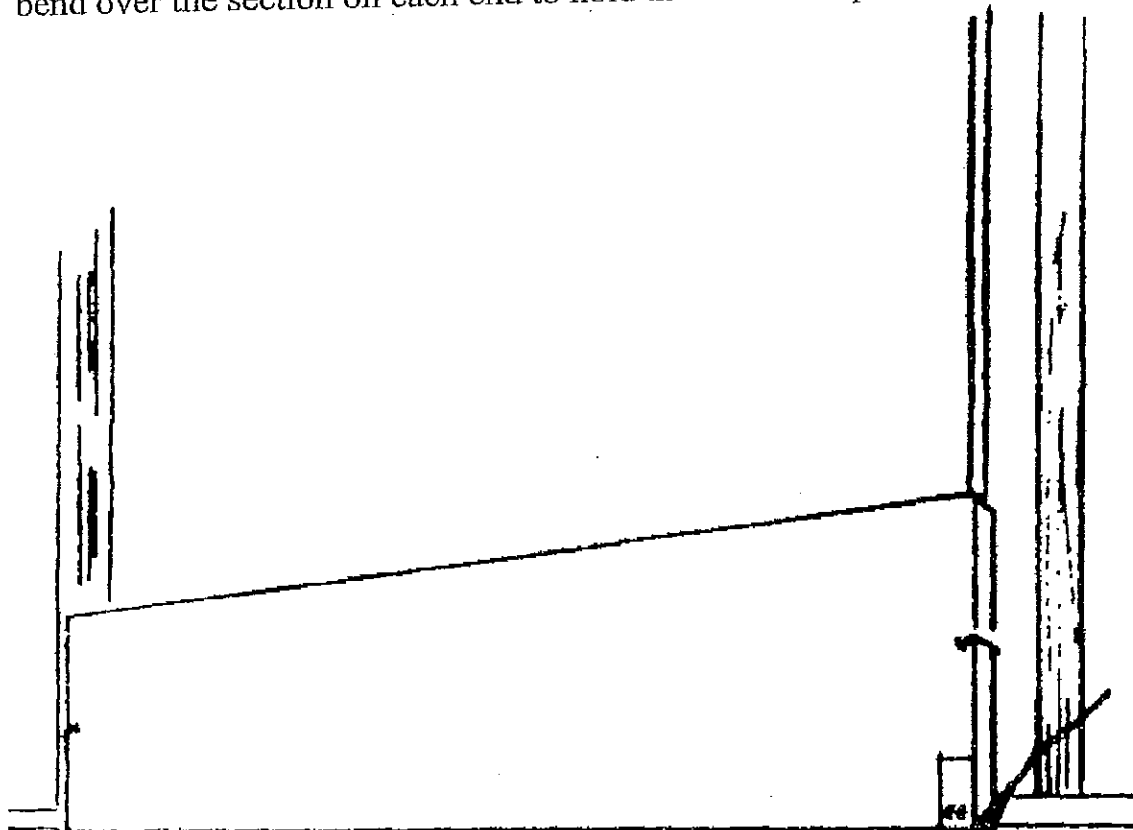
Step 2: Place bottom section against the stops inside the opening and check for level. If floor is not level, scribe bottom of door and cut to fit.



Step 3: Place the two bottom fixtures in position over the carriage bolts and attach with ¼" nuts. Attach the cables to bottom fixtures and slide rollers into place.

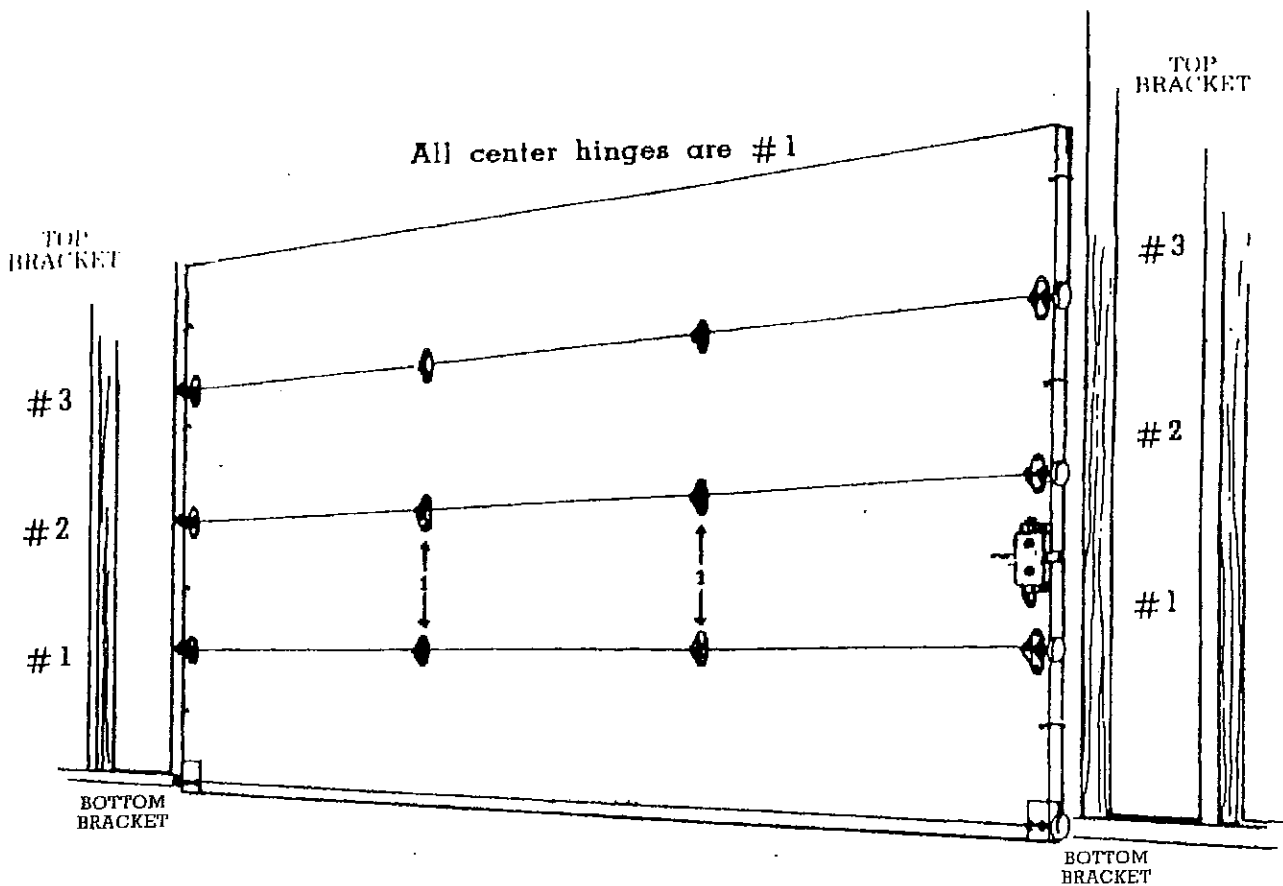


Step 4: Set the bottom section in the opening against the stops. Nail into the jambs and bend over the section on each end to hold the section in position.



Step 5: Set the second section against the jamb and line up the face trim. Nail into the jambs and bend over the section. Repeat for all remaining sections.

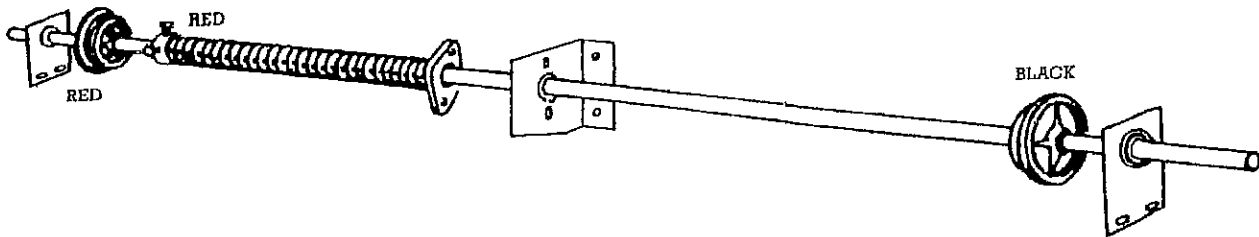
Step 6: All doors are pre-carriage bolted for hinge locations. Install all hinges over bolts and put on 1/4" nuts. Tighten all nuts before installing struts.



Step 7: Install the struts in the locations shown on the included specification drawing. Attach each strut with two 1/4" x 1 3/8" lag screws at each stile location.

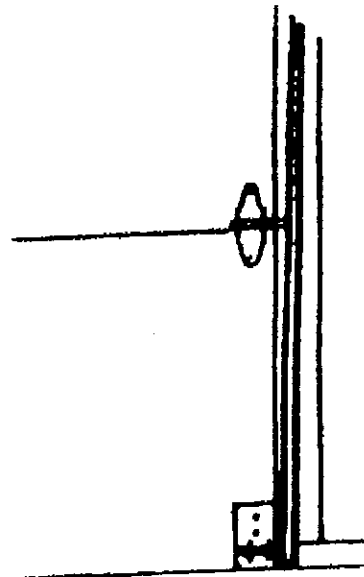
Step 8: Slide rollers through end hinges and bottom brackets. If required, install double end hinges just inboard of the existing end hinges by sliding over the roller stem and attaching with four 1/4" x 1 3/8" lag screws. Install a push nut on each roller stem except the bottom bracket rollers.

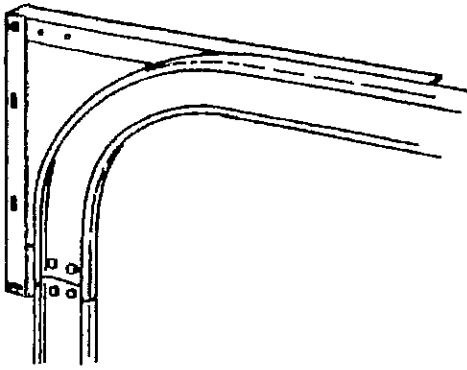
Step 9: Lay torsion bar across saw horses and slip spring(s), drums, spring anchor, and end bearing plates onto shaft as shown. Red drums and springs go on the left, and black drums and springs go on the right. Bolt the spring(s) to the spring anchor with two 1 1/2" bolts.



Step 10: Install the track brackets onto vertical tracks in the positions indicated on the windload specification drawing. The smallest numerical brackets go at the bottom of the vertical tracks. Attach the flag brackets to the top of the vertical tracks.

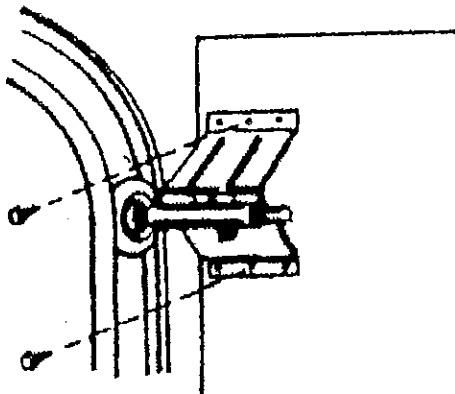
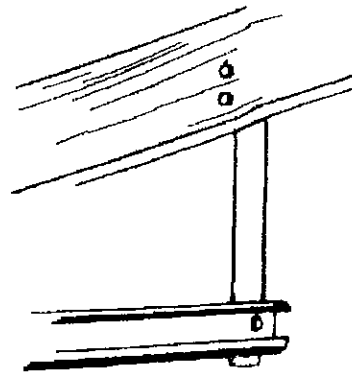
Step 11: Position the vertical track in place over the rollers and fasten each bracket to the jamb with a 1/4" x 1 3/8" lag bolt. There must be 1/2" clearance between the track and the door.





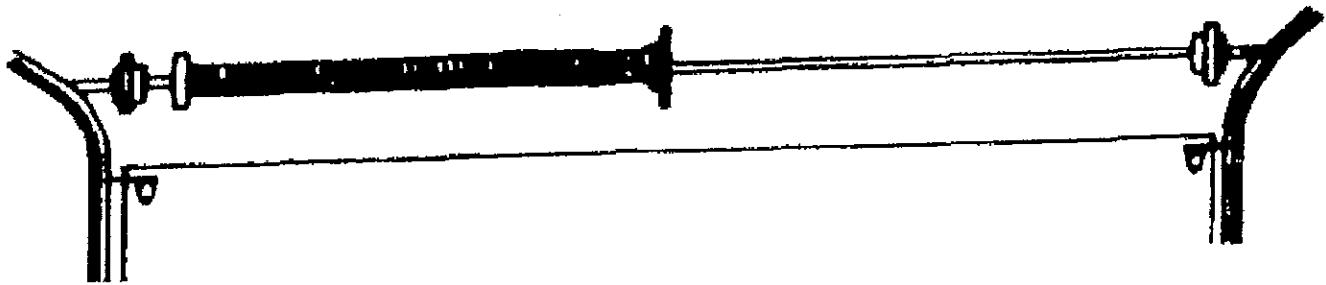
Step 12: Attach the horizontal track assembly to the flag bracket and vertical track assembly with a 3/8" carriage bolt and nut and two 1/4" track bolts and nuts. Square the track with the jamb and level it. Use a piece of wire or rope to temporarily hold the rear of the horizontal track in position.

Step 13: Fabricate a rear track hanger from perforated angle or other similar material (provided by installer.) The hanger should hold the track in the square and plumb position and should not allow for any movement in the horizontal track assembly.

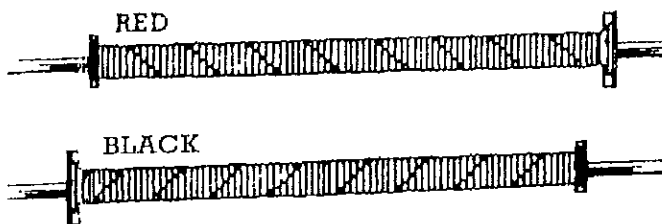
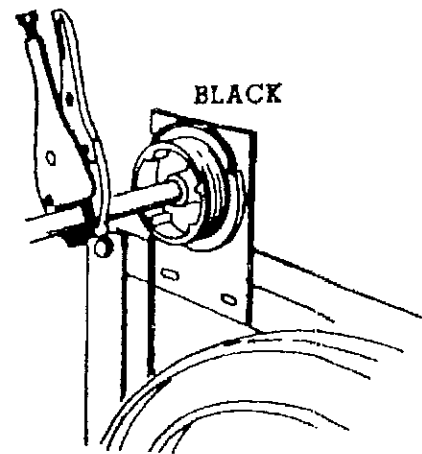


Step 14: Loosen the slider on the top roller fixture and insert the roller. Fit the roller into the horizontal track at the curve and position on the section. Fasten with two 1/4" x 1 3/8" lag screws. Tighten the adjustment screw for the slider with the section tight against the jamb. Repeat for the double top fixture if required, and install the push nut on the end of the roller. Pull the nails out of the jambs that were used to retain the sections during stacking.

Step 15: Place the previously assembled torsion bar assembly across the horizontal tracks (red drum on the left, black drum on the right) and bolt the end bearing plates to the horizontal track using 3/8" carriage bolts and nuts. Level the torsion shaft and lag the center bearing plate to the header with 1/4" x 1 3/8" lag bolts.



Step 16: Bring the cable up between the wall and the roller shafts to the drum and slide into the notch in the edge of the drum. Wind the cable onto the drum and tighten the setscrews with the drum tight against the end bearing plate. Attach vice grips to the shaft and against the header so that the cable remains tight while repeating this step on the other side.



Step 17: Put a chalk line across the coils of the spring(s). With 1/2" diameter winding bars, wind the spring(s) upward until you count the required number of turns required by the door height and cable drum. Tighten the setscrews on the winding cone securely.

Step 18: Remove the vice grips and install any remaining hardware that may be desired or required on the windload specification drawing, such as pull ropes, locks, and lift handles.

Step 19: Set the stop molding so it is snug against the door and attach permanently.

Step 20: Test the door for functionality. Make any adjustments necessary to ensure safe and reliable operation.